

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-24 (cancelled).

25. (original) A method of making a multilayer plastic container that includes: (a) blending with a barrier resin, an adhesion-promoting material comprising alkylene amine polymers, and (b) forming a preform in which the blend formed in step (a) is in layers alternating with layers of polyester resin, and in which said amine polymer promotes adhesion between said barrier resin and said polyester resin.

26. (original) The method of claim 25 wherein said amine polymer is an alkylene imine polymer.

27. (original) The method set forth in claim 25 further including: (c) blow molding the preform formed in step (b) into a hollow plastic container.

28. (original) The method set forth in claim 27 wherein said step (b) is carried out while at least one of said blend formed in said step (a) and said polyester resin is in melt phase.

29. (original) The method set forth in claim 28 wherein said step (b) is carried out by a process selected from the group consisting of simultaneously injection molding said polyester resin and said barrier resin blend, sequentially injection molding said polyester resin and said barrier resin blend, overmolding sequential layers of said polyester resin and said barrier resin blend, compression molding a mold charge that includes said polyester resin and said barrier resin blend, and extruding a hollow tube that includes alternate layers of said polyester resin and said barrier resin blend.

30. (original) The method set forth in claim 29 wherein said adhesion-promoting material is a polyethyleneimine polymer

31. (original) The method set forth in claim 30 wherein said polyester resin is PET, PEN, a blend or copolymer of PET and PEN, or regrind that includes PET, PEN, or blends or copolymers of PET and PEN.

32. (original) The method set forth in claim 25 wherein said barrier resin is EVOH, polyamide, an acrylonitrile copolymer, a blend of EVOH and polyamide, a blend of polyester and polyamide, a nanocomposite of EVOH or polyamide and clay, a blend of EVOH and an ionomer, acrylonitrile, a cyclic olefin copolymer, polyglycolic acid, polyvinylidene chloride, or blends thereof.

Claims 33-40 (cancelled).

41. (currently amended) A method of making a multilayer plastic article that includes: (a) blending with a barrier resin, an adhesion-promoting material comprising an amine polymer, and (b) forming an article in which the blend formed in step (a) is in layers alternating with layers of matrix resin comprising an ester-containing resin, and in which said amine polymer promotes adhesion between said barrier resin and said matrix resin.

42. (original) The method set forth in claim 41 wherein said step (b) is carried out while at least one of said blend formed in said step (a) and said matrix resin is in melt phase.

43. (original) The method set forth in claim 42 wherein said amine polymer is an alkylene imine polymer.

44. (original) The method set forth in claim 43 wherein said alkylene imine polymer is a polyethyleneimine polymer.

45. (currently amended) The method set forth in claim 41 wherein said ~~matrix resin is an ester-containing resin~~ is a polyester resin, ~~polyolefin or~~ and said barrier resin is polyamide.

46. (original) The method set forth in claim 41 wherein said matrix resin is a polyester resin.

47. (original) The method set forth in claim 46 wherein said polyester resin is PET, PEN, a blend or copolymer of PET and PEN, or regrind that includes PET, PEN, or blends or copolymers of PET and PEN.

48. (original) The method set forth in claim 41 wherein said barrier resin is EVOH, polyamide, an acrylonitrile copolymer, a blend of EVOH and polyamide, a blend of polyester and polyamide, a nanocomposite of EVOH or polyamide and clay, a blend of EVOH and an ionomer, acrylonitrile, a cyclic olefin copolymer, polyglycolic acid, polyvinylidene chloride, or blends thereof.

Claims 49-56 (cancelled).

57. (currently amended) A method of making an article, which includes:
blending an alkylene imine polymer with ~~another plastic~~ a barrier resin; and
positioning the blend adjacent an ester-containing resin to form said article that resists migration of carbon dioxide through ~~[[said]]~~ a sidewall of said article.

58. (currently amended) The method set forth in claim 57 wherein said ~~other plastic resin is a~~ barrier resin that is selected from EVOH, polyamide, acrylonitrile copolymers, a blend of EVOH and polyamide, a blend of polyester and polyamide, a nanocomposite of EVOH or polyamide and clay, a blend of EVOH and an ionomer, acrylonitrile, a cyclic olefin copolymer, polyglycolic acid, polyvinylidene chloride, or a blend thereof.

59. (currently amended) The method set forth in claim 58 wherein said ~~[[wall]]~~ sidewall is a multilayer wall having at least two plastic resin layers, and wherein said alkylene imine polymer is in one of said layers.

60. (original) The method set forth in claim 59 wherein an other of said at least two layers includes polyester resin.

61. (original) The method set forth in claim 57 wherein said alkylene imine polymer is a polyethyleneimine polymer.